

SINGAPORE Moulmein

Tan Tock Seng Hospital
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Tan Tock Seng Hospital (TTSH), the second largest hospital in Singapore, has selected to apply V-KOOL® 40 on over 120,000 sq.ft. of its glass façade to further enhance energy-saving.

An organization that believes in improving its building's energy performance, TTSH's thirteen-storey building block was already designed with good energy efficient material and principles. Nonetheless, in view of high energy costs and occupant comfort, the hospital has carefully selected V-KOOL 40 (that rejects up to 98% of solar infra-red heat through the windows) to augment the heat rejecting property of its glazing.

V-KOOL 40 is a composite of 8 microscopic layers of metals consisting of Silver and Indium Oxide. This multi-layer stack achieves the maximum performance of a Shading Coefficient of 0.42 and a Luminous Efficacy of around 1.02. Its performance is so impressive that it qualifies for the maximum rebate by the Los Angeles Water & Power Department, USA.

The tender exercise was closed on 23 August 2001. The tender specifications sought to achieve the objective of reducing glare and heat transmission. As this was a significant project with over 120,000 sq.ft. of glass area, it was heavily contested by other companies, amongst others were those distributing Huper Optik, Bekaert (MSC) and 3M films.

Despite its high price, V-KOOL 40 was chosen over other brands for its energy savings, its compliance to the tender specifications and its excellent heat and glare rejecting properties. In addition, this 120,000 sq.ft. project was given less than 3 months to complete and only a reputable and resource-enabled company like V-KOOL was able to ensure timely hassle-free and quality completion.



AT A GLANCE

PROJECT NAME	Tan Tock Seng Hospital
SITE	Moulmein, Singapore
AREA	120,000 sq. ft.
PRODUCT	V-KOOL 40
COMPLETED	December 2001



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